

1 **ABSTRACT OF THE DISCLOSURE**

2 A system for an interceptor client is utilized to improve the reliability of data transfer
3 between devices on a network. In particular, the interceptor client may be configured to
4 monitor transactions between a SNMP manager application and a SNMP application. The
5 interceptor client may be further configured to monitor and to identify a "Get" command
6 requesting multiple object identifiers (OIDs), *e.g.*, OID.a, OID.b, ..., OID.n, from a
7 destination agent. The interceptor client may be further configured to preprocess the
8 requested OIDs to the nearest possible previous OIDs, *i.e.*, OID.a-1, OID.b-1, ..., OID.n-1.
9 The interceptor client may be further configured format the requested "Get" command as a
10 "Get-Next" command requesting the modified OIDs from the destination agent. "Get-Next"
11 command will always retrieve the next value in the tree of the MIB, regardless of whether or
12 not a valid OID was specified.